

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



aTD224  
.N2N48



Nevada States  
Department of  
Agriculture

Soil  
Conservation  
Service

Reno,  
Nevada



# Nevada Water Supply Outlook

January 1, 1985





# Foreward

## How Forecasts Are Made

Most of the annual streamflow in the Western United States originates as snowfall. This snowfall accumulates high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are viewed in conjunction with snowpack data to prepare runoff forecasts. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data and narratives describing current conditions.

Streamflow forecasts are cooperatively generated by Soil Conservation Service and National Weather Service hydrologists. Forecasts become more accurate as more data affecting runoff becomes known. For this reason forecasts are issued that reflect three future precipitation conditions — Below Normal, Average, and Above Normal. These forecasts are termed reasonable minimum, most probable, and reasonable maximum. Actual streamflow can be expected to fall between the lower and upper forecast values eight out of ten years.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation, temperature, and other parameters are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

## For More Information

Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below.

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, AK 99504
Arizona	Room 3008, Federal Building, 230 North First Ave., Phoenix, AZ 85025
Colorado (New Mexico)	2490 West 26th Ave., Denver, CO 80211
Idaho	304 North 8th Street, Room 345, Boise, ID 83702
Montana	10 East Babcock, Room 443, Federal Building, Bozeman, MT
Nevada	50 South Virginia Street, Third Floor, Reno, NV 89505
Oregon	1220 Southwest 3rd Ave., 16th Floor, Portland, OR 97204
Utah	4418 Federal Building, 125 South State Street, Salt Lake City, UT 84147
Washington	360 U.S. Court House, Spokane, WA 99201
Wyoming	Federal Building, 100 East "B" Street, Casper, WY 82602

In addition to state reports, a Water Supply Outlook Report for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 514, Portland, OR 97209.

Published by other agencies:

Water Supply Outlook Reports prepared by other agencies include: California — Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia — The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory — Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1; Alberta, Saskatchewan, and N.W.T. — The Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta, T3C 1A6.

# TABLE OF CONTENTS

WATER SUPPLY OUTLOOK FOR NEVADA . . . . .	1
STREAMFLOW FORECASTS . . . . .	2
RESERVOIR STORAGE . . . . .	3
SNOW COURSE DATA (SOIL CONSERVATION SERVICE) . . . . .	4-6
SNOW MEASUREMENTS (DESERT RESEARCH INSTITUTE) . . . . .	7
PRECIPITATION DATA . . . . .	8-11
SNOTEL GRAPHS . . . . .	12

***ALL AVERAGES ARE FOR 1961-80 PERIOD.***

# THEORY OF THE EARTH

CHAPTER I. OF THE ORIGIN AND GROWTH OF THE EARTH.

§ 1. The Earth is a sphere, and its surface is divided into four parts, called continents.

§ 2. The continents are Asia, Europe, Africa, and America.

§ 3. The Earth is covered with water, and the water is divided into four parts, called oceans.

§ 4. The oceans are the Atlantic, the Indian, the Pacific, and the Arctic.

§ 5. The Earth is divided into many smaller parts, called islands.

§ 6. The islands are divided into two parts, called continents and islands.

§ 7. The continents are Asia, Europe, Africa, and America.

§ 8. The islands are divided into two parts, called continents and islands.

THE END OF THE FIRST PART.

## **W A T E R   S U P P L Y   O U T L O O K F O R   N E V A D A**

### **SNOW MEASUREMENTS**

The Nevada snowpack is above 20-year average for all river basins with water content figures ranging from 110 to 200% of average. Sierra Nevada basins are slightly above 1961-80 averages. The Tahoe Basin is 120% of average January figures. However, snowpack accumulations are only 60% of last year. Snow water content at Heavenly Valley is 12.0 inches, as compared to 23.7 inches last year and an average of 10.3 inches.

The Truckee Basin is 130% of average and only 65% of last year's water content figures. The Mount Rose Ski Area course has 19.3 inches of snow water with a 20-year average of 16.8 inches and a 1984 measurement of 37.1 inches.

The Carson and Walker Basins are between 125 and 130% of average. Upper Carson Pass course is 56% of last year for the same date. Both basins are only 60% of last year.

Snow accumulation in the Upper and Lower Humboldt Basins is significantly above the 20-year average. The lower basin exceeds 200% and the upper basin 150%. The combined Humboldt River Basin is 170% of average and only 60% of last year.

Snowpack measurements from the Owyhee and Snake Basins are also above average, but only 50 and 65% of the record 1984 snowpack.

### **STREAMFLOW FORECASTS**

Streamflow forecasts indicate adequate supplies for the western portion of the state and substantially above average forecasts for Northern Nevada. The Truckee River at Farad, California is forecast at 290,000 acre-feet or 108% of average. The Carson River near Carson City should produce 200,000 acre-feet for the period of April 1 through July 31.

The Humboldt River at Palisade is forecasted at 325,000 acre-feet or 140% of average. Martin Creek near Paradise Valley should be 150% of average with a total flow between April and July of 24,000 acre-feet.

### **RESERVOIR STORAGE**

Total reservoir storage is 978,600 acre-feet or 115% of average. Lanontan and Topaz Reservoirs are the only facilities with below average storage for January 1. Wildhorse Reservoir is significantly above the 20-year average.



# STREAMFLOW FORECASTS (Thousand Acre Feet) as of: January 1, 1985

Forecasts are based on snow-water presently stored in the mountain watersheds and the assumption that precipitation will be near average throughout the forecast period. Peak flow forecasts indicate the most probable range for the maximum average 24-hour flow. All averages are for 1963-77 period.

FORECAST POINT	Forecast Period	Forecast This Year	This Year as Percent of Average	Average +
<u>TRUCKEE RIVER</u>				
Truckee River at Farad, CA <sup>1/</sup>	April-July	290	108	269
Lake Tahoe Rise in feet (assuming gates closed)	April 1 to high	1.6	114	1.39
Little Truckee River above Boca, CA	April-July	98	106	92.5
<u>CARSON RIVER</u>				
East Carson near Gardnerville, NV	April-July	216	116	187
West Carson at Woodfords, CA	April-July	60	114	53
Carson River near Carson City, NV	April-July	200	110	182
Carson near Fort Churchill, NV	April-July	185	111	166
<u>WALKER RIVER</u>				
East Walker near Bridgeport, CA <sup>2/</sup>	April-Aug.	76	115	66
West Walker below Little Walker near Coleville, CA	April-July	165	111	148
<u>HUMBOLDT RIVER</u>				
Lamoille Creek near Lamoille, NV	April-July	40	140	28.7
South Fork Humboldt above Dixie Creek, NV	April-July	110	147	75
Marys River above Hot Springs, NV	April-July	50	136	36.9
North Fork Humboldt at Devils Gate, NV	April-July	50	144	34.8
Humboldt River at Palisade, NV	April-July	325	141	230
Humboldt River at Comus, NV	April-July	270	156	173
Martin Creek near Paradise, NV	April-July	24	150	15.8
<u>SNAKE RIVER</u>				
Owyhee River near Gold Creek, NV <sup>3/</sup>	April-July	32	137	23.4
Owyhee River near Owyhee, NV <sup>3/</sup>	April-July	120	140	85.4

NOTE: Streamflow forecasts which appear in this Bulletin are a coordinated activity of the National Weather Service and the Soil Conservation Service.

<sup>1/</sup> Observed flow plus change in storage in Boca, Stampede and Prosser Reservoirs, Donner, Independence and Martis Creek Lakes, and minus the flow at Truckee River at Tahoe City, California.

<sup>2/</sup> Observed flow plus change in storage in Bridgeport Reservoir.

<sup>3/</sup> Observed flow plus change in storage in Wild Horse Reservoir.

+1961-1980 period.



# RESERVOIR STORAGE (Thousand Acre Feet) AS OF January 1, 1985

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
Owyhee	Wild Horse	72	60.9	59	27
Lower Humboldt	Rye Patch	194	158.6	164	89
Colorado	Mohave	1,810	1,508	1,658	1,589
Colorado	Mead	26,159	24,081	24,751	17,421
Tahoe	Tahoe	732	543.1	652	351
Truckee	Boca	41	23.0	28	17
Truckee	Stampede**	220	192.9	205	96
Truckee	Prosser***	30	9.7	10	8
Carson	Lahontan	291	148.5	242	166
West Walker	Topaz	59	13.8	41	27
East Walker	Bridgeport	42	30.7	25	24

\* Adjusted average.

\*\* Storage began August 1, 1969.

\*\*\* Flood Control use allocation of 20,000 acre-feet between November 1 and April 10.

1961-80 Average

## TOTAL RESERVOIR STORAGE (Thousand Acre Feet)

MONTH	This Year	Last Year	Average †
October 1	976.1	705	786
January 1	978.6	1,211	844
February 1		1,041	920
March		992	968
April 1		976	1,010
May 1		1,091	1,024

The above data developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1,000 Acre-feet.

TOTAL USABLE CAPACITY

## PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †

No forecast issued January 1.

## FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Pt.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
----------------	------------------------------	--	--------------------------------------

No forecast issued January 1.

# BASIN SUMMARY OF SNOW COURSE DATA

JANUARY 1985

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-80
-------------	-----------	------	---------------	------------------	--------------	--------------------

## LAKE TAHOE

ECHO PEAK (CA)	7800	1/01/85	74	23.0E	40.8	16.1
ECHO SUMMIT (CA)	7450	1/02/85	44	15.4	--	12.0
FALLEN LEAF (CA)	6300	12/26/85	19	4.5	2.2	3.9
FREEL BENCH (CA)	7300	12/26/85	27	6.2E	--	5.1
GLENBROOK #2	6900	1/01/85	18	4.6	7.6	4.0
HAGANS MEADOW (CA)	8000	1/01/85	28	6.6S	--	7.2
HEAVENLY VALLEY (CA)	8850	12/27/85	39	12.0	23.7	10.3
LAKE LUCILLE (CA)	8200	1/01/85	93	28.9E	--	--
MARLETTE LAKE	8000	1/01/85	38	10.5S	20.4	8.4
RICHARDSONS #2 (CA)	6500	12/30/85	26	6.6	8.6	6.2
RUBICON #1 (CA)	8100	12/27/85	75	23.4E	--	--
RUBICON #2 (CA)	7500	1/01/85	40	12.1S	21.7	13.1
TAHOE CITY CROSS (CA)	6750	1/01/85	28	8.2	13.5	6.0
WARD CREEK #2 (CA)	7000	12/27/85	55	16.8	19.5	14.2
WARD CREEK #3 (CA)	6750	1/01/85	48	14.5S	24.8	11.6

## TRUCKEE RIVER

BIG MEADOWS (CA)	8300	1/01/85	33	10.1S	20.6	--
CASTLE CREEK (CA)	7400	12/31/85	70	26.1	44.5	--
DONNER SUMMIT (CA)	6900	1/FN/85	53	19.4	20.7	15.3
FORDYCE LAKE (CA)	6500	1/02/85	54	21.0	24.5	--
FURNACE FLAT (CA)	6700	1/02/85	62	23.4	33.5	--
INDEPENDENCE CAMP CA	7000	1/01/85	28	8.5S	15.4	7.2
INDEPENDENCE CREEK	6500	1/01/85	25	7.6S	7.9	4.5
INDEPENDENCE LAKE CA	8450	1/01/85	58	17.4S	36.3	13.9
MT. ROSE	9000	1/01/85	37	12.0S	29.4	11.4
MT. ROSE SKI AREA	9000	12/27/85	54	19.3	37.1	16.8
SAGEHEN CREEK (CA)	6500	1/01/85	28	6.5E	--	--
SQUAW VALLEY #2 (CA)	7500	12/27/85	69	21.4E	24.0	17.4
SQUAW VALLEY G.C., CA	8200	1/01/85	60	17.8S	34.5	18.5
TAHOE CITY CROSS (CA)	6750	1/01/85	28	8.2	13.5	6.0
TRUCKEE #2 (CA)	6400	1/01/85	20	5.2	8.1	4.7

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-80
-----						
CARSON RIVER						
BLUE LAKES (CA)	8000	1/01/85	27	18.1S	23.4	13.7
CARSON PASS, UP (CA)	8600	1/06/85	47	18.0	32.1	--
EBBETTS PASS #2 (CA)	8700	1/01/85	62	18.3S	33.4	14.8
POISON FLAT #2 (CA)	7900	1/01/85	29	8.1S	11.0	7.7
SPRATT CREEK (CA)	6080	1/01/85	14	4.5S	3.1	--
19L31 IS NOT ON FILE						
19L20 IS NOT ON FILE						
WALKER RIVER						
CENTER MOUNTAIN (CA)	9400	1/01/85	59	18.4E	--	--
LEAVITT MEADOWS (CA)	7200	1/01/85	18	4.4S	9.7	6.1
LOBDELL LAKE (CA)	9200	1/01/85	26	6.7S	15.3	6.3
SONORA PASS (CA)	8800	1/01/85	53	16.6E	15.7	9.2
VIRGINIA LAKES (CA)	9500	1/01/85	37	8.7S	13.7	6.7
VIRGINIA LAKES RIDGE	9200	1/01/85	37	8.7S	16.5	7.0
NORTHERN GREAT BASIN						
CEDAR PASS (CA)	7100	1/01/85	150	12.1S	14.9	8.1
DISASTER PEAK	6500	1/01/85	28	6.0S	17.2	5.4
DISMAL SWAMP #2 (CA)	7000	1/01/85	79	18.9	26.7	10.5
GOVERNMENT CORRALS	7450	12/27/85	32	9.2	--	--
SNAKE RIVER						
BEAR CREEK	7800	1/01/85	54	12.4E	19.6	8.0
FOX CREEK	6800	1/01/85	29	6.8E	--	--
GOAT CREEK	8800	1/01/85	48	12.1E	16.8	8.6
HUMMINGBIRD SPRINGS	8950	1/01/85	---	15.5E	--	9.7
POLE CREEK R.S.	8330	1/01/85	38	11.9E	16.8	7.7
SEVENTYSIX CREEK	7100	1/01/85	32	7.9E	15.5	4.9
OWYHEE RIVER						
BIG BEND	6700	1/01/85	15	3.5E	13.0	3.2
FAWN CREEK #2	7050	1/01/85	42	11.9S	--	9.4
GOLD CREEK	6600	1/01/85	8	1.9E	9.6	--
JACK CREEK, UPPER	7250	1/01/85	25	5.7E	10.2	3.4
JACK CREEK #2, UPPER	7280	1/01/85	45	10.3S	19.6	5.4
JACKS PEAK	8420	1/01/85	61	13.9E	25.4	--
LAUREL DRAW	6700	1/01/85	28	6.1S	13.6	3.3
TAYLOR CANYON	6200	12/27/85	15	3.1	10.6	2.1



SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-8
-----						
LOWER HUMBOLDT RIVER						
BIG CREEK SUMMIT	8700	1/01/85	50	11.5S	20.0	5.3
BUCKSKIN, UPPER	8200	1/01/85	46	10.5E	--	--
GRANITE PEAK	7800	1/01/85	45	11.3E	17.9	7.6
LAMANCE CREEK	6000	1/01/85	33	8.4E	16.0	4.4
MARTIN CREEK	6700	1/01/85	21	4.8E	10.3	--
UPPER HUMBOLDT RIVER						
CORRAL CANYON	8500	1/01/85	33	7.9S	15.6	5.3
DORSEY BASIN	8100	1/01/85	30	7.2S	16.7	5.1
DRAW CREEK #2	7450	1/01/85	31	7.8S	16.2	--
FRY CANYON	6700	1/01/85	15	3.3E	10.5	3.2
GREEN MOUNTAIN	8000	1/01/85	41	9.8S	18.9	6.7
LAMOILLE #3	7700	1/01/85	34	7.5S	10.4	5.0
LAMOILLE #5	8700	1/01/85	63	15.7E	32.5	--
TREMEWAN RANCH	5700	12/27/85	8	1.2	5.4	.8
EASTERN NEVADA						
WARD MOUNTAIN #2	9200	1/01/85	35	7.8S	9.4	3.8

# SNOW MEASUREMENTS

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-80
<u>DESERT RESEARCH INSTITUTE MEASUREMENTS</u>						
<u>TAHOE-TRUCKEE BASIN</u>						
Alder Creek	6,960	12/28/84	50	15.7	28.6	----
Apollo Way	7,300	12/29/84	25	7.9	14.6	----
Bennett Flat	6,200	12/28/84	26	7.6	8.8	----
Brockway Summit	7,200	12/28/84	32	10.1	15.2	----
Clear Creek	5,700	12/29/84	2	0.5	0	----
Cliff Ranch, Franktown	5,250	12/28/84	6	1.0	T	----
Davis Creek	5,160	12/28/84	5	0.8	0	----
Evergreen Hills	5,700	12/28/84	4	1.1	0	----
Fuller Lake	6,200	12/30/84	8	2.0	0	----
Galena Creek	7,440	12/29/84	31	9.7	16.6	----
Hennes Pass Junction	6,410	12/28/84	26	7.6	9.0	----
Hobart Mills	5,850	12/28/84	16	3.4	4.3	----
Incline Lake	8,000	12/29/84	37	12.4	0	----
Jones Creek	6,000	12/29/84	10	2.5	T	----
Junction 395 & Nevada 27	4,590	12/28/84	0	0	0	----
Lancer	5,110	12/28/84	0	0	0	----
Little Valley	6,540	12/28/84	17	5.2	4.7	----
Mount Rose Resort	8,280	12/29/84	41	13.8	29.3	----
North Star Fire Department	6,320	12/28/84	17	4.0	2.9	----
RNR Forestry Site	6,400	12/29/84	16	4.1	2.8	----
Reindeer Lodge	7,060	12/29/84	21	6.4	9.2	----
Sagehen Creek	6,340	12/30/84	24	7.2	8.0	----
Sky. Tavern	7,620	12/29/84	27	8.8	18.7	----
Spooner Summit	7,620	12/29/84	22	7.1	12.6	----
Squaw Valley Fire Department	6,240	12/28/84	30	8.2	10.2	----
Tahoe City	6,240	12/28/84	22	5.7	8.3	----
Tahoe Meadows	8,540	12/29/84	54	19.2	36.5	----
Tamarack Lake	8,820	12/29/84	38	12.9	30.4	----
Third and Incline Creeks	6,235	12/29/84	3	0.5	0	----
Thunder Cliff	6,200	12/28/84	29	8.2	9.2	----
Truckee-Tahoe Airport	5,900	12/28/84	10	1.7	T	----
Whites Creek	5,670	12/28/84	1	0.2	0	----

T=TRACE

# P R E C I P I T A T I O N   D A T A

JANUARY   1983

PRECIPITATION STATION	DECEMBER		WATER YEAR	
	THIS YEAR	61-80 AVERAGE	TOTAL TO DATE	61-80 AVERAGE
ARTHUR 4NW, NV	.84	1.73	5.39	4.33
AUSTIN, NV	.65	1.17	3.22	3.25
BATTLE MOUNTAIN, NV	.38	.85	2.98	2.54
BEAR CREEK, NV	3.10	5.17	12.30	10.29
BERRY CREEK, NV	N O	R E P O R T		
BIG BEND, NV	1.50	2.28	6.10	5.25
BIG CREEK SUMMIT, NV	1.70	1.70	8.10	3.85
BOIES RESERVOIR	N O	R E P O R T		
BUCKSKIN LOWER, NV	1.60	3.25	9.10	9.60
CALIENTE	N O	R E P O R T		
CARSON CITY	.21	---	3.92	---
CEDAR PASS	2.70	---	19.40	---
CEDARVILLE	.73	2.77	5.60	5.73
CONTACT	1.07	.85	2.41	2.57
CORRAL CANYON, NV	1.80	2.55	10.70	7.10
DEETH	1.56	---	4.32	---
DENIO	1.10	.77	6.20	2.58
DESSERT ROCK	1.91	---	3.82	---
DIAMOND PEAK	1.80	---	6.00	---
DISMAL SWAMP	4.20	---	23.20	---
DISASTER PEAK, NV	2.00	4.90	9.60	9.90
DORSEY BASIN, NV	2.10	3.63	10.60	8.76
DRAW CREEK	N O	R E P O R T		
DUFURRENA, NV	.88	.68	4.19	2.00
ELKO, NV	.45	1.01	3.60	2.68
ELY, NV	.76	.74	3.16	2.12
EMIGRANT PASS, NV	.56	1.06	4.81	3.28
FAWN CREEK #2, NV	2.60	2.10	12.50	7.10
FALLON EXP. STN.	.06	---	1.41	---
FALLON NAS	N O	R E P O R T		
FERGUSON RANCH	N O	R E P O R T		
FORD CORRAL	N O	R E P O R T		
FRY CANYON	N O	R E P O R T		
FORTY-NINE MOUNTAIN	N O	R E P O R T		
GOAT CREEK, NV	3.20	4.80	12.20	9.30
GRANITE PEAK, NV	2.10	4.50	14.00	11.80
GREEN MOUNTAIN, NV	2.30	7.40	11.00	13.00
HAWTHORNE	.00	---	.66	---
HOLE-IN-MOUNTAIN, NV	N O	R E P O R T		
JACK CREEK , UPPER, N	2.40	3.55	10.60	8.95



PRECIPITATION STATION	DECEMBER		WATER YEAR	
	THIS YEAR	61-80 AVERAGE	TOTAL TO DATE	61-80 AVERAGE
JACK'S PEAK, NV	3.20	11.30	12.80	21.00
JIGG'S	.71	---	3.52	---
LAMANCE CREEK	2.00	---	12.10	---
LAMOILLE, NV	.81	1.45	5.89	4.31
LAMOILLE #3, NV	2.00	4.35	10.50	8.65
LAS VEGAS	1.68	---	2.63	---
LAUREL DRAW, NV	2.20	4.10	11.10	9.90
LOVELOCK FAA	N O	R E P O R T		
MARTIN CREEK RS, NV	N O	R E P O R T		
MINDEN	N O	R E P O R T		
MONTELLO	.10	.50	1.56	1.70
MOUNTAIN CITY RS, NV	.47	1.39	3.64	3.67
MT. ROSE/XMAS TREE	N O	R E P O R T		
OROVADA, NV	.23	.99	4.81	2.97
OWYHEE, NV	.72	1.41	4.64	3.89
PARADISE VALLEY, NV	.66	1.18	4.56	2.94
PEQUOP	.52	---	3.05	---
PINYON MINE (NE WMC)	.23	---	2.74	---
PIOCHE	N O	R E P O R T		
POLE CREEK RS, NV	1.50	3.27	6.80	6.32
RENO WSFO	.07	---	2.35	---
RENO UNR	.10	---	---	---
RODEO FLAT, NV	N O	R E P O R T		
RUBY LAKE	.73	---	5.14	---
SEVENTYSIX CREEK, NV	2.00	2.40	7.80	6.71
SKY TAVERN	N O	R E P O R T		
SPARKS-FIRE DEPT	.06	---	2.24	---
SPARKS-COBB	N O	R E P O R T		
STATELINE	.42	---	3.13	---
TAYLOR CANYON, NV	.80	1.90	4.40	4.30
TONOPAH	.70	---	1.18	---
TROUT CREEK, LOWER	N O	R E P O R T		
TUSCARORA, NV	N O	R E P O R T		
VIRGINIA CITY	.62	---	6.60	---
WARD MOUNTAIN, NV	4.90	1.65	11.10	6.20
WILDHORSE RESERVOIR	.52	---	3.82	---
WELLS	.45	.89	3.14	2.70
WINNEMUCCA	.36	---	3.55	---
YERINGTON	.01	---	.89	---

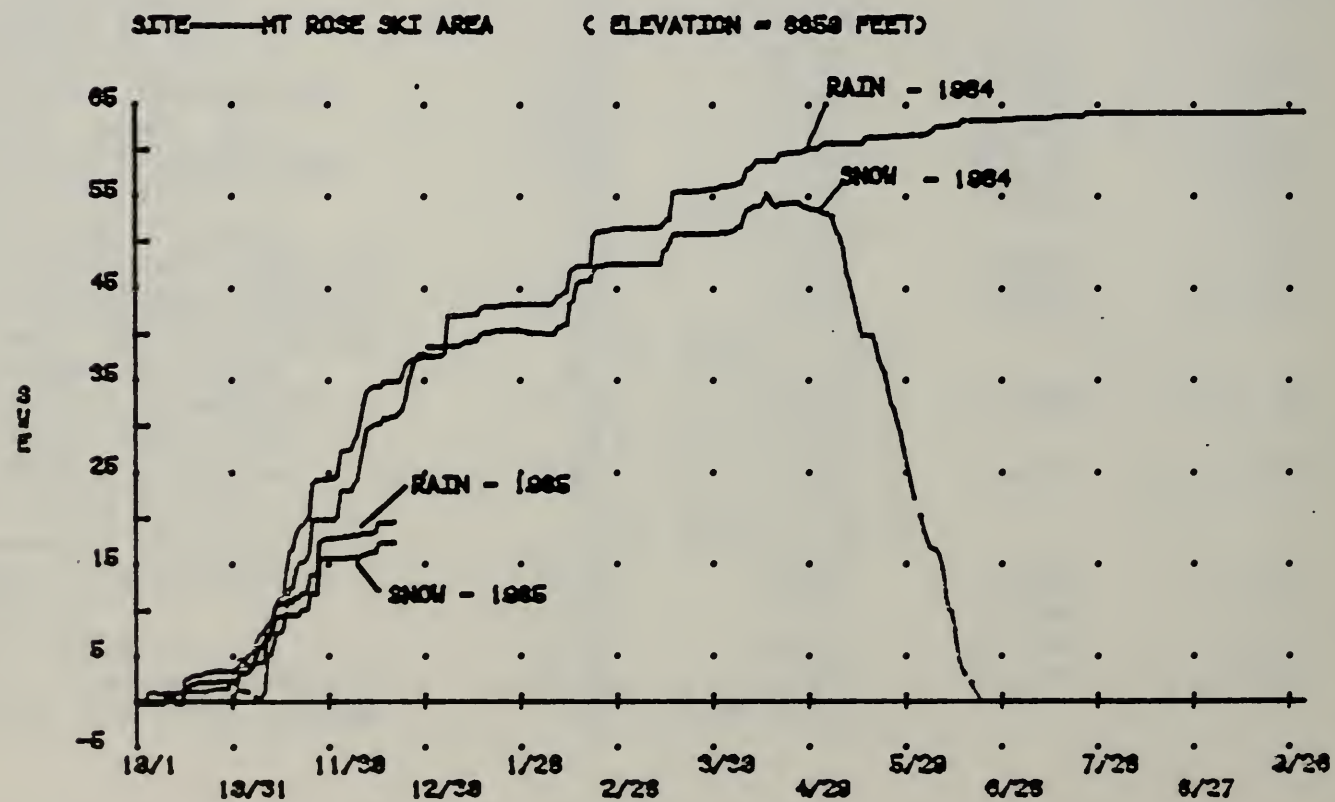
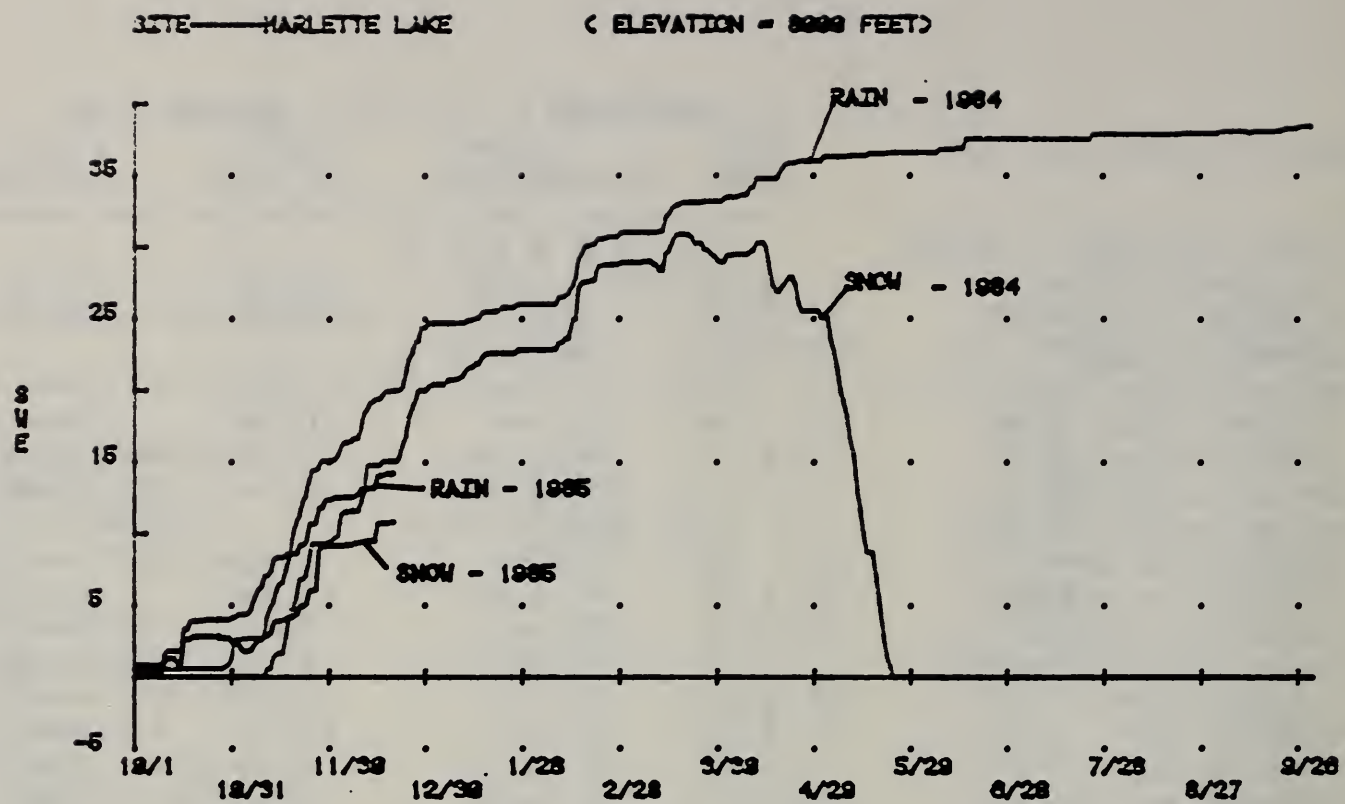
# P R E C I P I T A T I O N   D A T A

JANUARY   1985

PRECIPITATION STATION	DECEMBER THIS YEAR	61-80 AVERAGE	WATER YEAR TOTAL TO DATE	61-80 AVERAGE
ALTURAS	.46	1.65	4.72	4.26
BIG MEADOWS, NV	2.40	9.30	15.30	24.50
BISHOP WSO	.85	---	2.98	---
BLUE CANYON	3.58	---	26.08	---
BLUE LAKES, CA	18.10	7.50	39.60	17.95
BOCA	.80	3.89	10.09	7.90
BRIDGEPORT-SHERIF	1.65	1.81	4.29	4.01
BRIDGEPORT R.S.	.35	---	---	---
CEDAR PASS, CA	2.70	3.63	14.80	11.23
CEDARVILLE	.73	2.77	5.60	5.73
DAGGETT PASS	1.05	---	8.40	---
DISMAL SWAMP, CA	4.20	9.85	23.20	22.00
DONNER PARK, CA	N O	R E P O R T		
EBBETTS PASS, CA	18.50	8.20	38.40	17.43
ECHO PEAK, CA	N O	R E P O R T		
ECHO SUMMIT (S.S.R.)	2.29	---	23.81	---
ELLERY LAKE	N O	R E P O R T		
FALLEN LEAF, CA	7.30	5.55	12.80	12.91
FT BIDWELL	.71	2.43	---	5.60
GEIGER SUMMIT	N O	R E P O R T		
GLENBROOK, NV	.67	2.94	5.33	6.05
HAGAN'S MEADOW, CA	1.30	3.35	11.70	7.77
HAPPY CAMP, CA	2.11	---	30.53	---
HEAVENLY VALLEY, CA	1.50	4.55	13.00	10.30
HETCH-HETCHY	1.49	6.27	14.04	12.70
INCLINE VILLAGE	N O	R E P O R T		
INDEPENDENCE CAMP, CA	1.50	5.29	12.60	11.78
INDEPENDENCE CREEK, C	1.20	3.87	12.80	15.62
INDEPENDENCE LAKE, CA	N O	R E P O R T		
KINGSBURY GRADE	N O	R E P O R T		
LEAVITT MEADOW, CA	2.00	5.00	11.90	13.75
LITTLE VALLEY, NV	N O	R E P O R T		
LOBDELL LAKE, CA	8.90	3.20	16.40	7.18
MAMMOTH R.S.	N O	R E P O R T		
MAMMOTH (MIDWAY)	N O	R E P O R T		
MARLETTE LAKE, NV	2.20	4.83	14.20	11.21
MEYERS	.96	---	9.86	---
MT. ROSE, NV	1.60	5.08	14.40	11.69
MT. ROSE SKI AREA, NV	2.00	11.25	20.70	25.55
PINE NUT MTNS., LOWER	N O	R E P O R T		

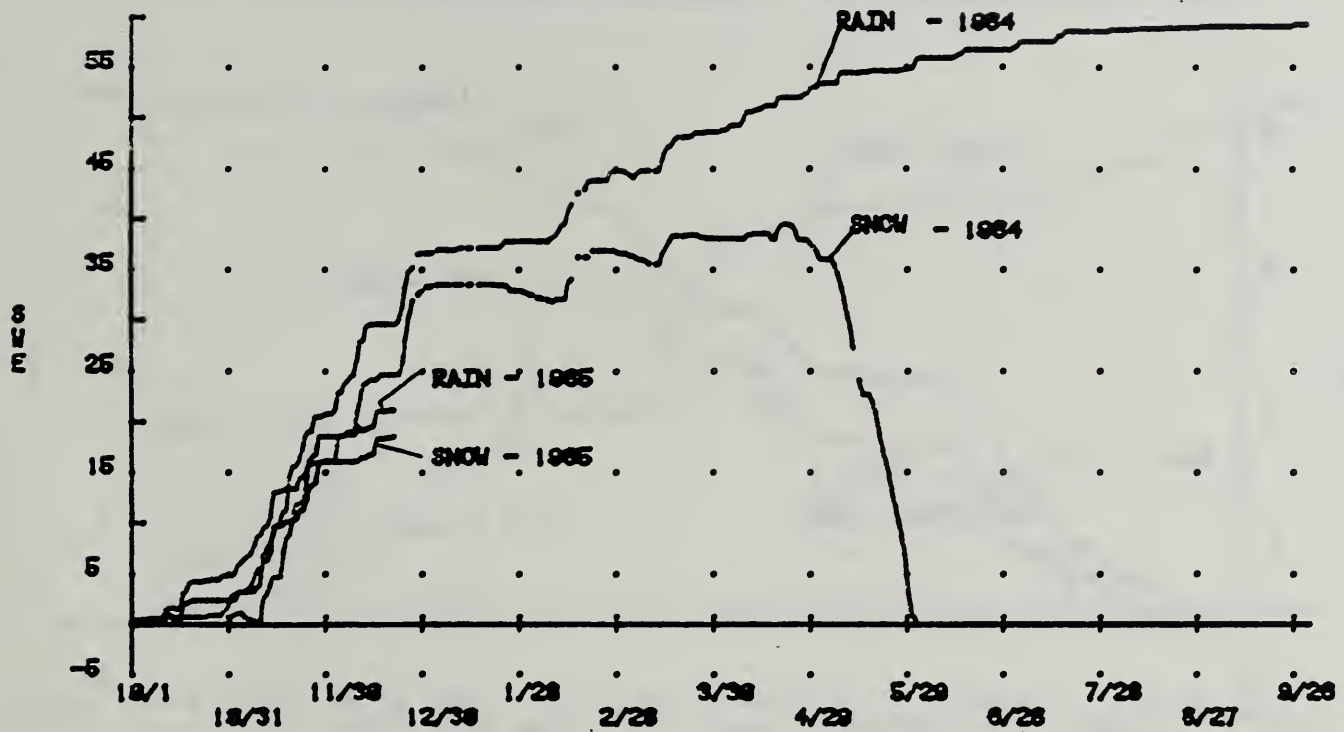
PRECIPITATION STATION	DECEMBER		WATER YEAR	
	THIS YEAR	61-80 AVERAGE	TOTAL TO DATE	61-80 AVERAGE
PINE NUT MTNS., UPPER	N O R E P O R T			
POISON FLAT, CA	8.10	4.95	18.20	12.30
RUBICON #2, CA	2.40	7.70	17.70	19.90
SAGEHEN CREEK	N O R E P O R T			
SIERRAVILLE R.S.	.72	---	9.95	---
S LAKE TAHOE APRT	.98	---	10.29	---
SONORA PASS, CA	2.70	5.10	17.00	11.08
SPRATT CREEK, CA	1.70	5.45	13.70	13.65
SQUAW VALLEY G C	N O R E P O R T			
SUSANVILLE ARPT	.58	---	4.93	---
TAHOE CITY-DUKES	1.41	6.39	13.56	12.46
TAHOE CITY-USCG	1.21	---	---	---
TAHOE CITY CROSS, CA	2.00	8.30	14.20	19.95
TRUCKEE ARPT	1.03	---	8.19	---
TRUCKEE F/P	1.30	---	12.90	---
TRUCKEE RS	1.47	6.14	14.91	11.93
TRUCKEE #2, CA	2.00	6.80	12.10	16.40
TWIN LAKES	2.00	8.59	16.98	17.28
VIRGINIA LAKES, CA	2.10	1.87	11.50	2.28
WARD CREEK #3, CA	3.80	10.70	29.30	26.60
WET MEADOWS, CA	3.70	7.90	22.40	19.25
WOODFORDS	.63	3.96	8.05	8.16
ZEPHER COVE	N O R E P O R T			





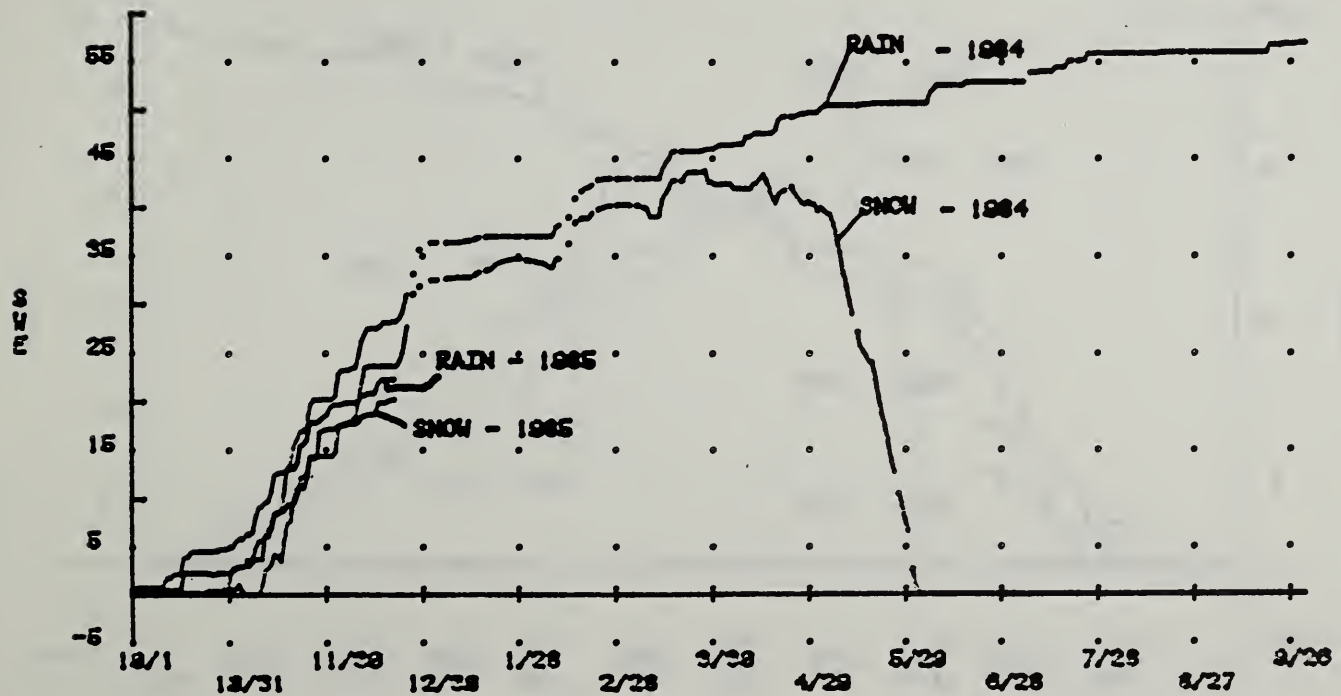
SITE—EBBETTS PASS

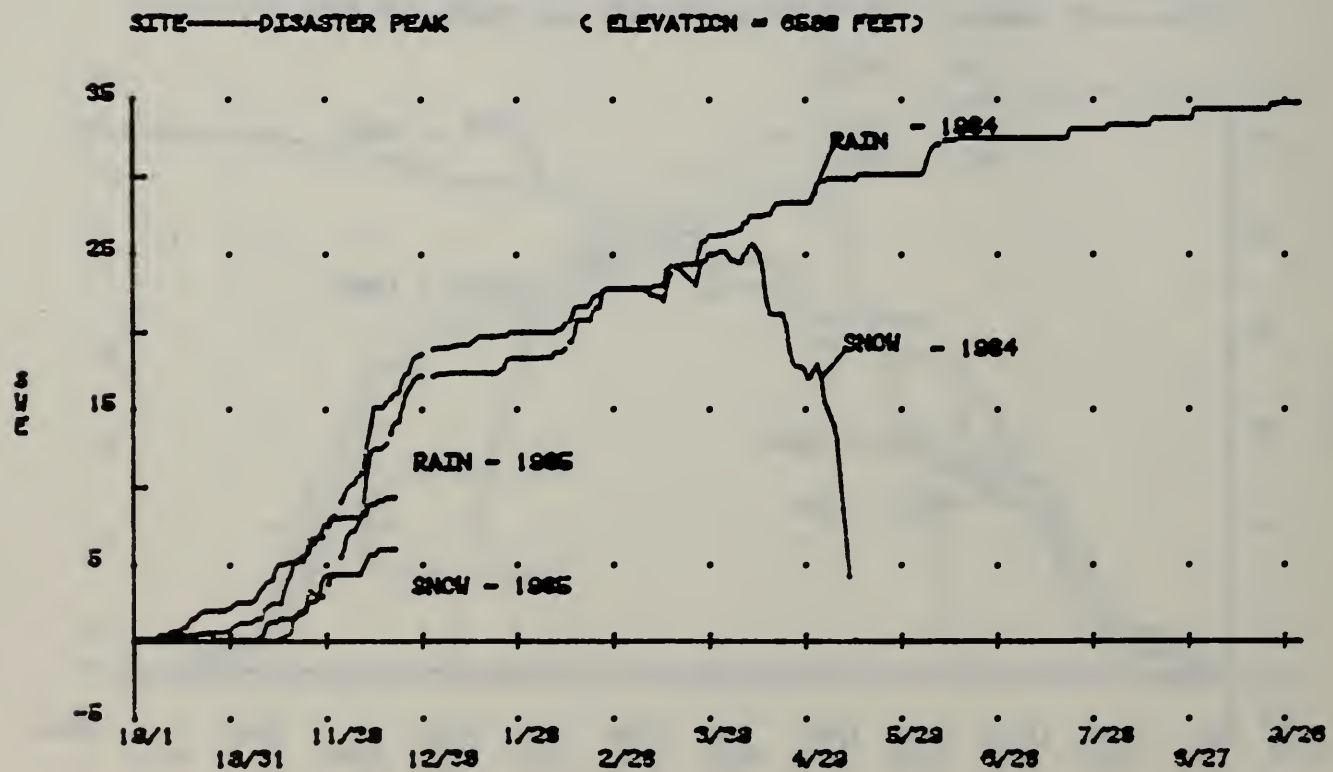
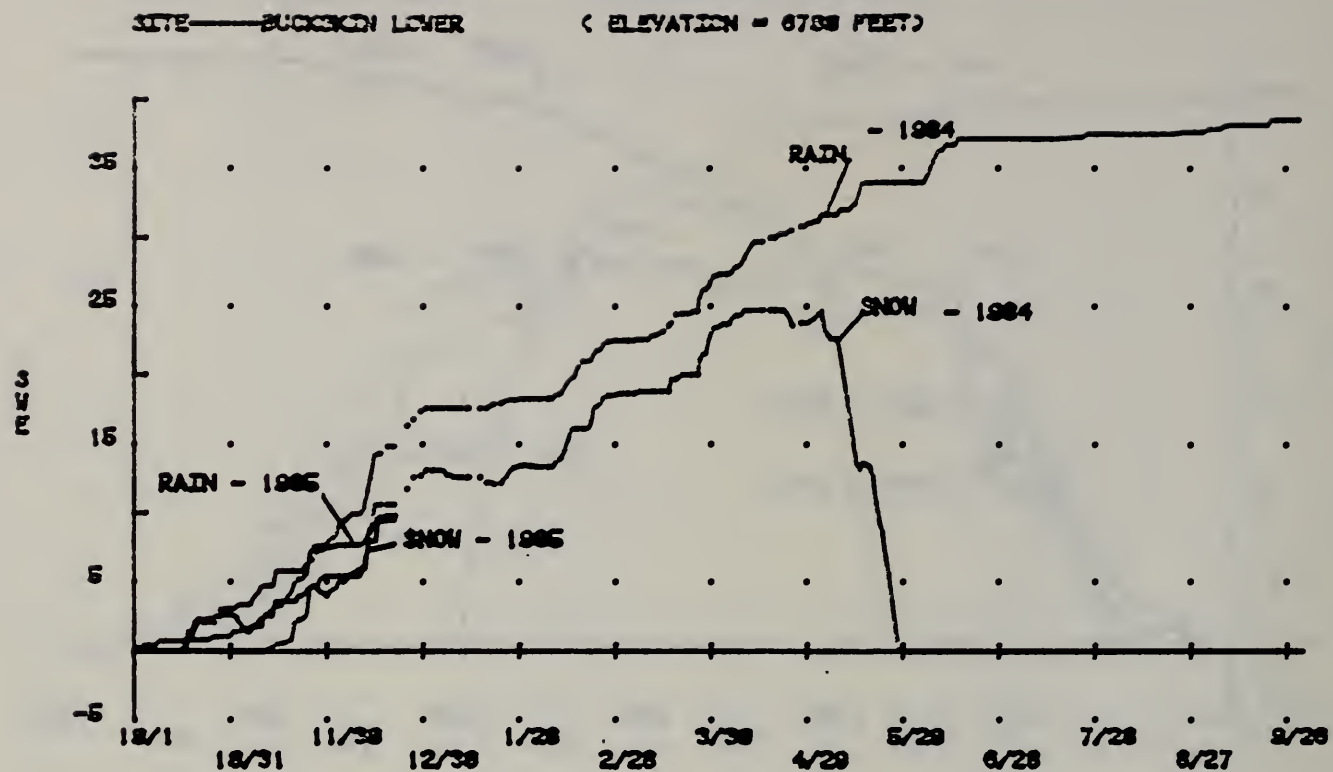
( ELEVATION = 8700 FEET)



SITE—WET MEADOWS

( ELEVATION = 8850 FEET)

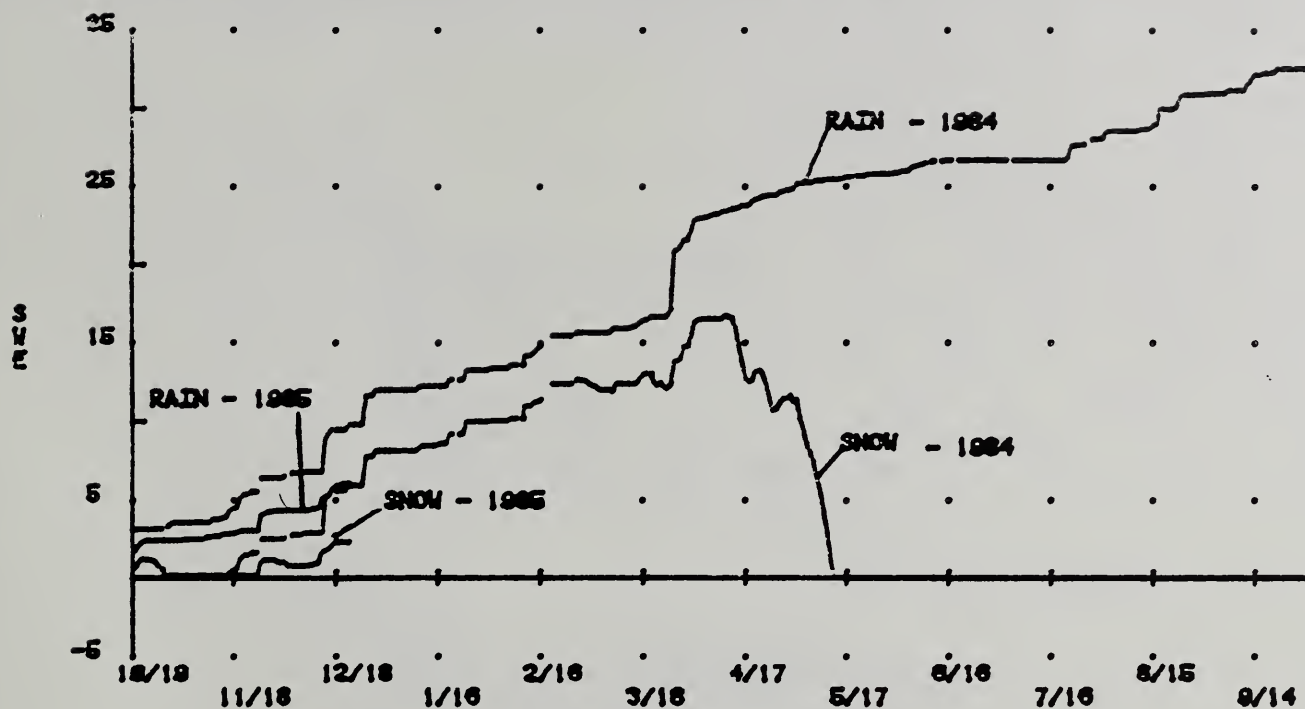






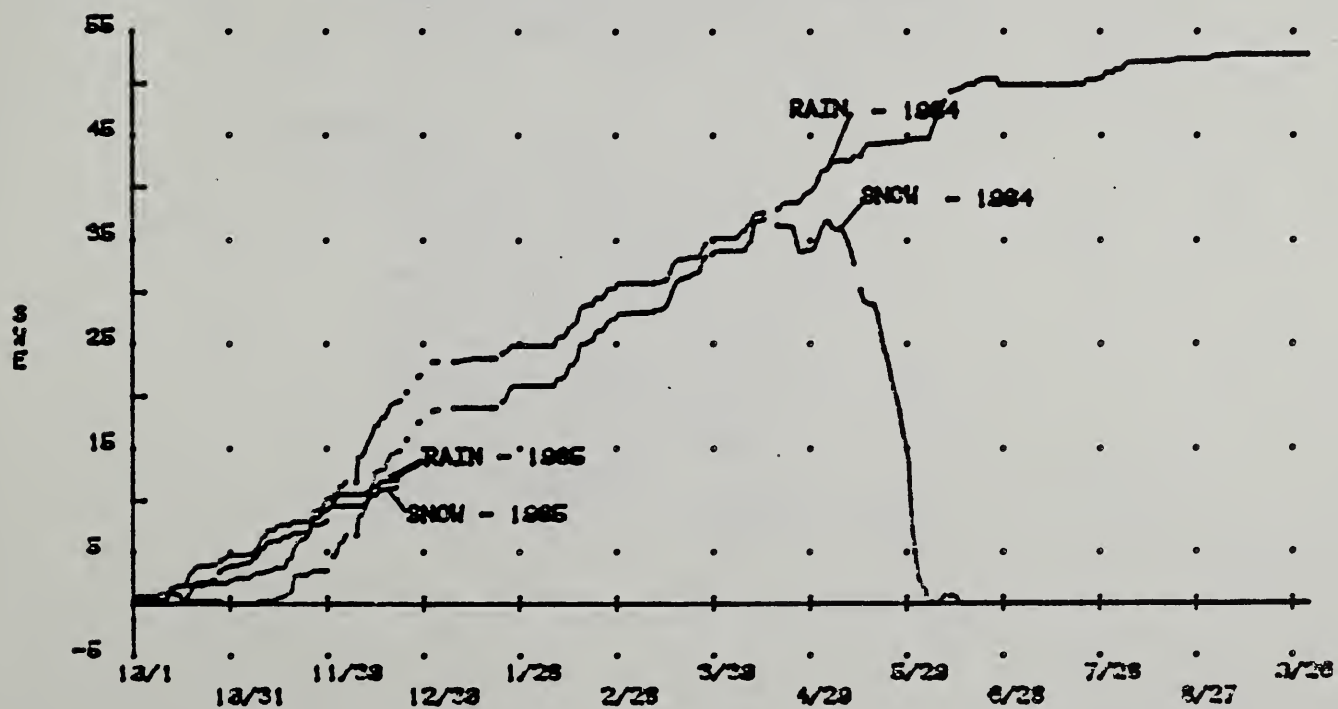
SITE — DIAMOND PEAK

( ELEVATION = 8228 FEET )



SITE — FAWN CREEK

( ELEVATION = 7888 FEET )





## AGENCIES COOPERATING IN COLLECTING DATA CONTAINED IN THIS BULLETIN

### FEDERAL

Agricultural Research Service  
Bureau of Reclamation  
Fish and Wildlife Service  
Forest Service  
Geological Survey  
Soil Conservation Service  
U.S. District Court - Federal Water Master  
NOAA, National Weather Service

### STATE

California Cooperative Snow Surveys  
California Department of Parks and Recreation  
California Department of Water Resources  
Colorado River Commission of Nevada  
Idaho Cooperative Snow Surveys  
Nevada Association of Conservation Districts  
Nevada Department of Conservation & Natural Resources  
    Division of Water Resources  
    Nevada State Forester  
    Division of Conservation Districts  
Oregon Cooperative Snow Surveys  
University of Nevada, Desert Research Institute  
Utah Cooperative Snow Surveys

### PRIVATE

Amalgamated Sugar Company  
Kennecott Copper Corporation  
Nevada Irrigation District  
Owyhee Project North Board of Control  
Owyhee Project South Board of Control  
Pacific Gas and Electric Company  
Pershing County Water Conservation District  
Sierra Pacific Power Company  
Truckee - Carson Irrigation District  
Walker River Irrigation District  
Washoe County Water Conservancy District

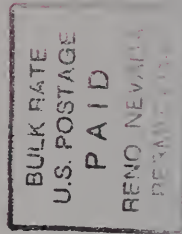
Other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.



UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

P.O. BOX 4850  
RENO, NEVADO 89505

OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE, \$300



## FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Furnishes the basic data  
necessary for forecasting  
water supply for irrigation,  
domestic and municipal water  
supply, hydro-electric power  
generation, navigation,  
mining and industry.

"The Conservation of Water begins  
with the Snow Survey"

USDA, NAT'L AGRICULTURAL LIB  
TIS/SEA/USDA, RM 002  
CURRENT SERIAL RECORD  
BELTSVILLE, MD. 20705